



Patent
Attorney Docket No. 030681-591

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of

Kim, Hye-yeon et. al.

Application No.: 10/717,621

Filing Date: November 21, 2003

Title: Apparatus and Method for Enhancing Quality of Reproduced Image

Group Art Unit: 2621

Examiner: Unassigned

Confirmation No.: 8611

**FIRST
INFORMATION DISCLOSURE STATEMENT
TRANSMITTAL LETTER**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Enclosed is a FIRST Information Disclosure Statement and accompanying form PTO-1449 for the above-identified patent application.

- ☒ No additional fee for submission of an IDS is required.
- ☐ The fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e) is also enclosed.
- ☐ A statement under 37 C.F.R. § 1.97(e), and the fee of \$180.00 (1806) as set forth in 37 C.F.R. § 1.17(p) are also enclosed.
- ☐ Charge _____ to Deposit Account No. 02-4800 for the fee due.
- ☐ A check in the amount of _____ is enclosed for the fee due.
- ☐ Charge _____ to credit card. Form PTO-2038 is attached.

The Director is hereby authorized to charge any appropriate fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 02-4800. This paper is submitted in duplicate.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

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By

Charles F. Wieland III
Registration No. 33,096

Date: April 2, 2004



UNITED STATES PATENT AND TRADEMARK OFFICE

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Kim, Hye-yeon et. al.)	Group Art Unit: 2621
Application No.: 10/717,621)	Examiner: Unassigned
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For: Apparatus and Method for Enhancing)	
Quality of Reproduced Image)	
)	
)	
)	

FIRST INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, the accompanying information is being submitted in accordance with 37 C.F.R. §§ 1.97 and 1.98.

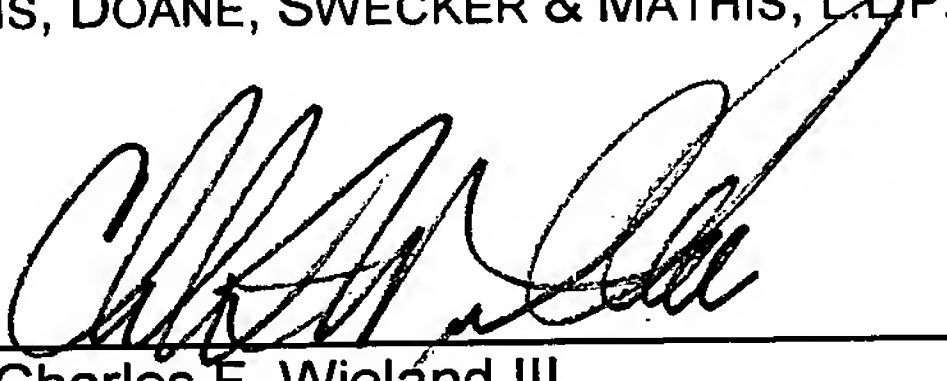
To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

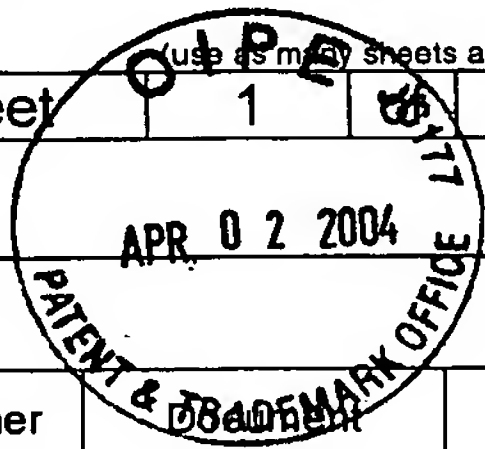
Date April 2, 2004

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Substitute for form 1449A/PTO & 1449B/PTO		Complete if Known	
FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	10/717,621
		Filing Date	November 21, 2003
		First Named Inventor	Kim, Hye-yeon et. al.
		Examiner Name	Unassigned
Sheet 1 of 1	1	Attorney Docket Number	030681-591



U.S. PATENT DOCUMENTS				
Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
	5,619,226	A	Cahill	04-08-1997

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
	W0 99/00785		PCT	01-07-1999		
	EP 0588499	A	Europe	03-23-1994		
	W0 9636037	A	PCT	11-14-1996		
	W0 9635203	A	PCT	11-07-1996		
	EP 0710925	A	Europe	05-08-1996		
	EP 0630154	A	Europe	12-21-1994		

NON-PATENT LITERATURE DOCUMENTS	
Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
	GERARD DE HAAN ET AL., Deinterlacing—An Overview, Proceedings of the IEEE, September 9, 1988, pages 1839-1857, Volume 86, No. 9, Television Systems Group, Philips Research Laboratories, Eindhoven 5656 AA The Netherlands.

Examiner Signature	Date Considered
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.